

ABSTRACT OF THE DISCLOSURE

A communication system CS includes a plurality of communication stations and data communication is performed between any two communication stations, one is a transmitting station and the other is a receiving station. When any data for transmission is generated, the transmitting station transmits, to the receiving station, a reservation request packet for requesting bandwidth reservation. The receiving station reserves a bandwidth responding to the reservation request packet and then transmits a communication reservation packet to inform the transmitting station of the reserved bandwidth. The transmitting station creates a data packet and then transmits the created data packet through the informed bandwidth. The receiving station stores a valid period of the bandwidth reserved for the transmitting station, and voluntarily and repeatedly creates, for transmission, the communication reservation packet for the duration of the stored valid period. Accordingly, a communication system in which time for bandwidth reservation is shortened and thus bandwidths are effectively utilized is implemented.